



# HIOKI

## CARD HiTESTER 3244-50

Field Measuring Instruments

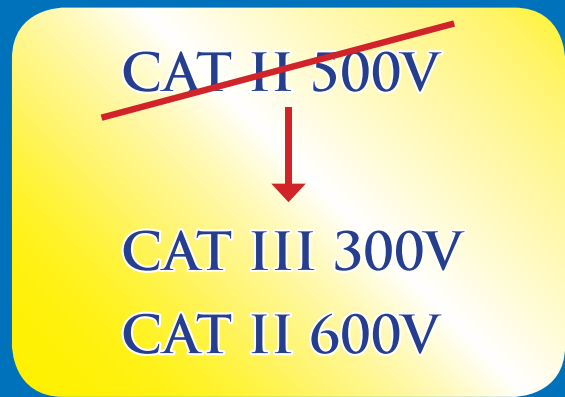


### Compact! Palm size body

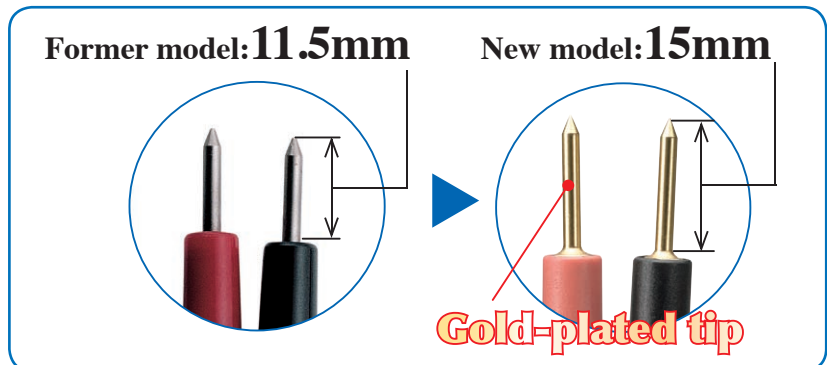
### Less than 1cm thin!



### Improved Safety!



### Better Contact Test Leads



[www.hioki.com](http://www.hioki.com)

ISO 9001 JMI-0216    ISO 14001 JQA-E-90091

HIOKI company overview, new products, environmental considerations and other information are available on our website.



# Ultra-portable

## Easy to store!

Test leads can be stored neatly in the external case (standard accessory). Simply wind the test leads around the case as shown in the photo.

## Rugged external case protects the DMM.

Reduces shock during movement.



The external case (photo) is provided as a standard accessory.

- Weighs only 60g. Only 9.5mm thick.
- CE-marked
- Auto-Power Save function prevents unnecessary battery drain.
- Continuous operating time: 150 hours

### 3244-50 Specifications

Measurement method	: Double integration
Display	: Max. 4199 count LCD Automatic display of minus sign (-) Overflow display "OF" and "-OF"
Range switching	: Automatic
Sampling rate	: 2.5 times/s
Dielectric strength	: 3.7kVAC rms sin (50Hz or 60Hz for 1 minute) between the terminals and case
Max. overload voltage	: 500V AC/DC rms (sine) or $3 \times 10^6$ V·Hz - ACV, DCV
Operating temperature	: 0°C to 40°C, max. 80% rh or less (32 to 104°F)
Battery low indicator	: Displays a "B" when current falls below $2.3V \pm 0.15V$
Power supply	: one CR2032 battery (3V DC)
Power consumption	: Typically 4.0mW (for DC voltage)
Dimensions (Approx)	: 55 W × 109 H × 9.5 D mm · 60g 2.17W" × 4.28H" × 0.37"D · 2.1oz
Accessories	: Carrying case
Safety standards	: Complies with IEC 61010 Pollution degree 2, overvoltage CAT III 300 V, CAT II 600V anticipated transient overvoltage 4000V
EMC	: EN61326

\* Contains a monitor battery. Replacement of the monitor battery is not performed free of charge.

### CARD HiTESTER 3244-50

(All include TEST LEADS, Carrying case)

Guaranteed for one year 23 ±5°C (73°F±9°F), 80% RH or less (no condensation)

#### DCV measurement

Range	Accuracy	Input impedance	Over load protection
420.0mV	±2.0 %rdg. ±4dgt.	100MΩ or over	500 V DC 500V AC rms (sine) or $3 \times 10^6$ V·Hz
4.200V	±0.7 %rdg. ±4dgt.	approx. 11MΩ	
42.00V	±1.3 %rdg. ±4dgt.	approx. 10MΩ	
420.0V	±1.3 %rdg. ±4dgt.	approx. 10MΩ	
500V	±1.3 %rdg. ±4dgt.	approx. 10MΩ	

#### ACV measurement

Range	Accuracy	Input impedance	Over load protection
	50 to 500Hz		
4.200V	±2.3 %rdg. ±8dgt.	approx. 11MΩ	500 V DC/ 500V AC rms (sine) or $3 \times 10^6$ V·Hz
42.00V	±2.3 %rdg. ±8dgt.	approx. 10MΩ	
420.0V	±2.3 %rdg. ±8dgt.	approx. 10MΩ	
500V	±2.3 %rdg. ±8dgt.	approx. 10MΩ	

#### Resistance measurement

Range	Accuracy	Open-circuit voltage	Over load protection
420.0 Ω	±2.0 %rdg. ±4dgt.	Max. 3.4V	500 V DC/ 500V AC rms (sine) 1 minute
4.200 kΩ	±2.0 %rdg. ±4dgt.	0.7V(TYP.)	
42.00 kΩ	±2.0 %rdg. ±4dgt.	0.5V(TYP.)	
420.0 kΩ	±2.0 %rdg. ±4dgt.	0.5V(TYP.)	
4.200 MΩ	±5.0 %rdg. ±4dgt.	0.5V(TYP.)	
42.00 MΩ	±10.0 %rdg. ±4dgt.	0.5V(TYP.)	

#### Continuity

Range	Accuracy	Open-circuit voltage	Over load protection
420.0 Ω	±2.0 %rdg. ±4dgt.	Max. 3.4V	500 V DC/ 500V AC rms (sine) 1 minute

\* Threshold:  $50\Omega \pm 40\Omega$

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